

**TRADELINE®**

## 203422C—V9055 Adapter For 4-20 mA Input

### Application

The 203422C Adapter Board allows the V9055 Modulating Fluid Power Gas Valve Actuator to be controlled with a 4-20 dc mA input. The adapter mounts in the wiring compartment and provides screw terminals for field wiring.

### Installation

#### WHEN INSTALLING THIS PRODUCT...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instruction and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, checkout product operation as provided in these instructions.



### CAUTION

To prevent electrical shock or equipment damage, always disconnect power supply before wiring.

### Installation and Checkout

1. Remove the screws from terminals R, B, and W on the V9055 Actuator.
2. Position the adapter board to the R, B, and W terminals and install and tighten three screws (4 screws provided in bag assembly) to the R, B, W terminals.
3. Connect field wiring from the 4-20 mA controller to the + and - terminals on the 203422C adapter board—**BE SURE TO OBSERVE POLARITY!**

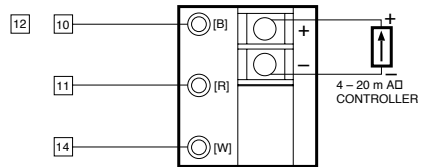


### CAUTION

**BE SURE TO OBSERVE POLARITY FROM THE CONTROLLER TO THE 203422C ADAPTER BOARD!**

4. Reconnect power.
5. With manual shutoff gas valve **CLOSED**, apply power to V9055 and check its operation with the 4-20 mA temperature controller by manually incrementing and decrementing the output—4 mA input will drive the V9055 to low fire position; 20 mA drives to high fire. Ensure V9055 completes its full stroke.
6. Turn manual shutoff gas valve to open position and test the remainder of the system for proper operation.
7. If the V9055 is being used for firing rate control—connect system per drawing shown in Fig. 1.
8. Sequence the burner through a normal startup.

**Fig. 1—Hookup of V9055 for firing rate control with 4-20 mA input.**



- Terminals of 203422C adapter.
- [ ] Terminals to V9055.
- Terminals of R4140 or BC7000.

M2494

International Sales Offices in all principal cities of the world. Manufacturing in Australia, Canada, Finland, France, Germany, Japan, Mexico, Netherlands, Spain, Taiwan, United Kingdom, U.S.A. PRINTED IN U.S.A.

**Residential and  
Building Controls Division**

Honeywell Inc.  
1985 Douglas Drive North  
Golden Valley, Minnesota 55422

Honeywell Inc.  
740 Ellesmere Road  
Scarborough, Ontario  
M1P 2VP

*Helping You Control Your World*